

## **Amendments to the Specification:**

Please substitute the paragraph starting on page 5, line 19 with the following paragraph as amended:

As shown, the data transmission originates from the sending device **101** having access to the wireless infrastructure **103** via the computer equipment infrastructure **102**. The path of the data transmission through the computer equipment infrastructure **102**, wireless infrastructure **103**, and RF forward link **104** can be characterized as a communication channel **107**. In reality, this communication channel **107** is created by routing the data transmission through numerous devices and over a variety of types of transmission ~~lines~~ paths. Each device and transmission ~~lines~~ path participating in the data transmission has a link width **108** or throughput capacity. In order to simplify the description of the preferred embodiment of the present invention, FIG. 1 depicts the link width **108** or throughput capacity for the communication channel **107** as either a maximum link width or a minimum link width. In actuality, the link width **108** of the communication channel **107** is based on the individual throughput capacity of each device and transmission line participating in the data transmission.

Please substitute the paragraph starting on page 6, line 1 with the following paragraph as amended below:

As shown, the link width **108** of the data transmission is initially based on the throughput capacity of the sending device **101** and is depicted at the maximum link width. The initial data rate of bearer data **109** is equivalent to the link width **108** or throughput capacity of the sending device **101**. (The initial data rate of bearer data 109 is not shown in FIG. 1.) When the data transmission encounters a device or transmission line with a lower throughput capacity, a bottleneck **110** is created and the data rate of bearer data **109** is limited

according to the throughput capacity of the slower device or transmission line. The device or transmission line with the lowest throughput capacity defines the bottleneck link speed for the communication channel 107. It is possible for the bottleneck link speed for the end-to-end data transmission from the sending device 101 to the wireless mobile receiving device 105 to be established by a device or transmission line within the computer equipment infrastructure 102. This situation is depicted by the bottleneck 110 of FIG. 1 in the computer equipment infrastructure 102. Under such circumstances, the data rate of bearer data 109 is limited to the data rate at the bottleneck 110 in the computer equipment infrastructure 102 for the remainder of data transmission via the communication channel 107. (The data rate of bearer data 109 is limited to the data rate at the bottleneck 110 is shown in FIG. 1.) The data rate of bearer data 109 remains at the bottleneck link speed even if the link width 108 of subsequent devices and transmission lines participating in the data transmission provide a higher throughput capacity. Therefore, limitation of the link width 108 or throughput capacity of subsequent devices and/or transmission lines to at or near the bottleneck link speed has no detrimental impact on the overall data transmission. Accordingly, where such a limitation of the link width 108 or throughput capacity provides economy and/or efficiency to the overall communications system, such as in the spread-spectrum communications system 106, it would be beneficial and advantageous to do so.